EXHIBIT A

Vacuum Window Engineering Note (per Fermilab ES&H Manual Chapter 5033.1)

m Window Number:		
ication and Verification of Compl	iance:	
Prepared by	Date	Div/Sec
Reviewed by	Date	Div/Sec
Div/Sec Head	Date	Div/Sec
Director's signature (or designee	e) if vacuum window requires an e	exception to the provisions of this chap
Amendment No.	Reviewed by	Date
Vacuum Vessel Title for the vac	cuum vessel to which the Vacuum	Window is attached.
	cuum vessel to which the Vacuum	
Vacuum Vessel Number for the		uum Window is attached.
Vacuum Vessel Number for the	e vacuum vessel to which the Vacu	uum Window is attached.
Vacuum Vessel Number for the	e vacuum vessel to which the Vacu	uum Window is attached.
Vacuum Vessel Number for the	e vacuum vessel to which the Vacu	uum Window is attached.

	Laboratory location code Purpose of vacuum vessel and vacuum window Internal MAWP External MAWP Working Temperature Range OF OF		
1.	<u>Design Verification</u> : Provide design calculations in the Note Appendix.		
2.	<u>Fabrication</u> : Is this vacuum window fabricated in house? [] Yes [] No If "Yes", Attach the written fabrication procedure in the Note Appendix.		
3.	<u>Inspection</u> : Attach inspection reports and Travelers in the Note Appendix. Include date(s) of manufacture.		
4.	<u>Testing</u> : Attach failure and acceptance testing procedure and results in the Note Appendix. Include dates of testing		
5.	System Venting Verification:		
	Is the relieving system of the vacuum vessel to which this vacuum window is attached sufficiently sized such that if the vessel is pressurized, the maximum differential pressure across the window cannot exceed the design differential pressure of the vacuum window? [] Yes [] No		
	Attach Calculations in the Note Appendix		
6.	Operating Procedure Section:		
	Is an operating procedure necessary for the safe operation of this vessel? [] Yes [] No If "Yes", the operating procedure must be attached to the Note Appendix		
7.	<u>Hazard Analysis</u> : Is the safety factor on this vacuum window less than 2.0? [] Yes [] No <i>If "Yes", a hazard analysis must be prepared and attached to the Note Appendix</i>		
8.	Degradation from Exposure: Will the integrity of the window be compromised over time by exposure to radiation or cyclic stress? [] Yes [] No If "Yes", include in the technical appendix any requirements for recording exposure, as well as a change-out schedule.		